PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. P	atent Application	
Applicant:	Nishida et al.) I hereby certify that this paper is being deposited with the United States Postal Service as first-class mail in an
Serial No.	09/960,094	envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.
Filed:	September 21, 2001	6 Nova DyB
SYST STOI INDU	JCTANCE DEVICE DRIVING TEM, INFORMATION RAGE APPARATUS, AND JCTANCE DEVICE DRIVING HOD	Date Peclassicer Registration No 29367 Attorney for Applicant Procedure Registration No 29367 Attorney for Applicant
Art Unit:	2651	Technology C 2001
	SUBMISSION OF SUBSTITUTI	E FORMAL DRAWINGS CONTROL CONT

Assistant Commissioner for Patents Washington, DC 20231

Sir:

0941.65858

Please approve the attached substitute formal drawings, which are the originals of the facsimile drawings filed with this application. No new matter has been added.

Respectfully submitted,

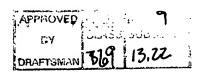
GREER, BURNS & CRAIN, LTD.

By Patrick G. Burns

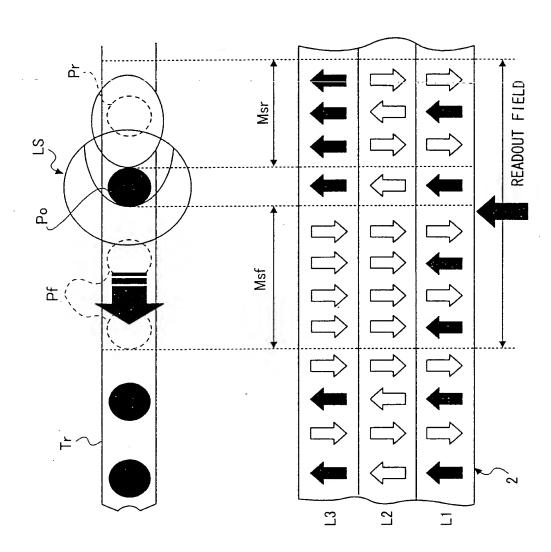
Registration No. 29,367

November 6, 2001 300 South Wacker Drive Suite 2500 Chicago, Illinois 60606 Telephone: (312) 360-0080 Facsimile: (312) 360-9315

Customer No. 24978 F:\Data\wp60\0941\65858\Dwgsub.doc







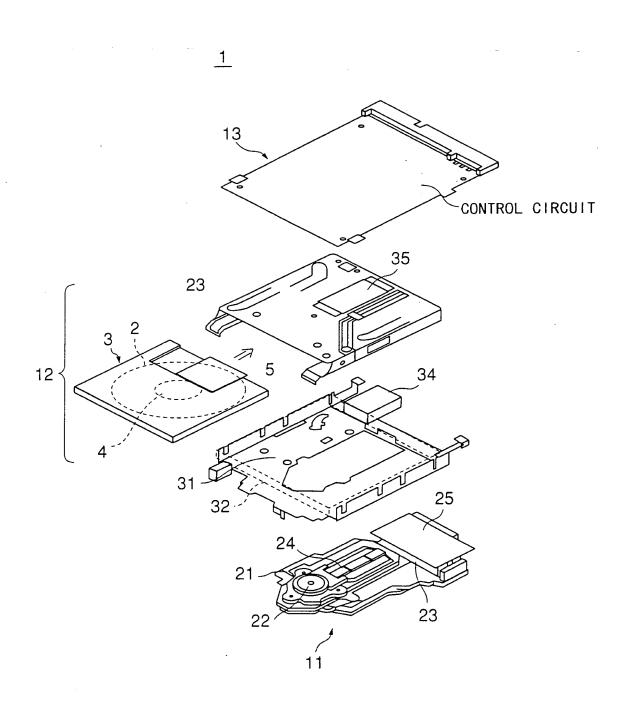
F1G. 1A

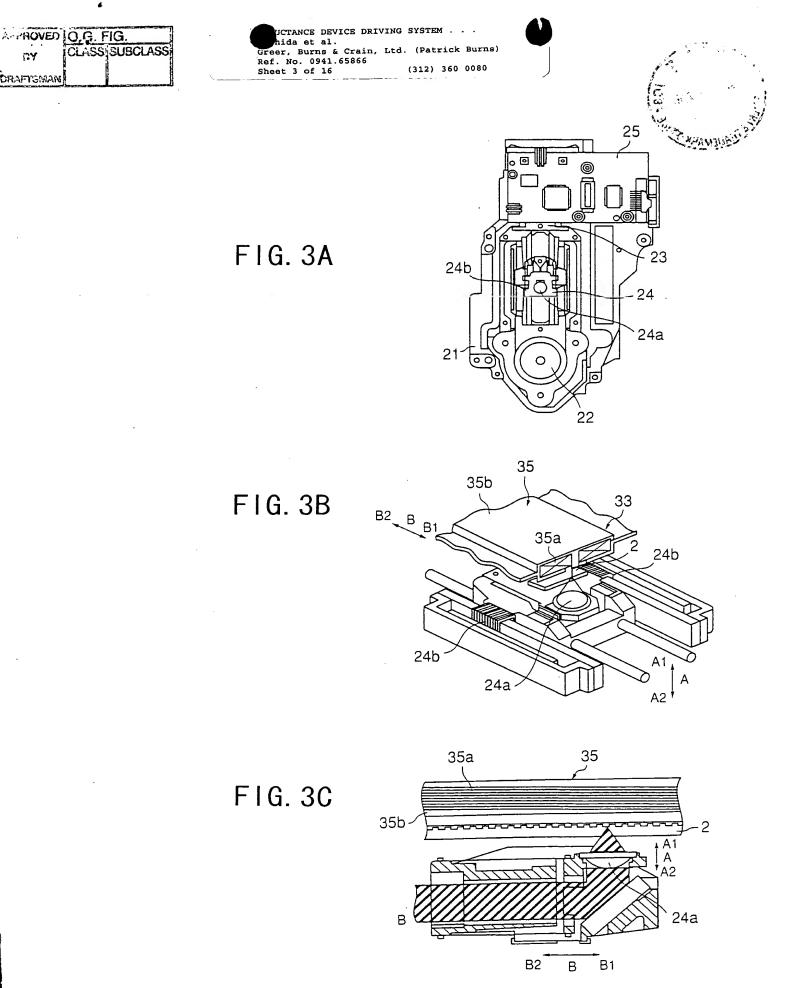
APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

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FIG. 2

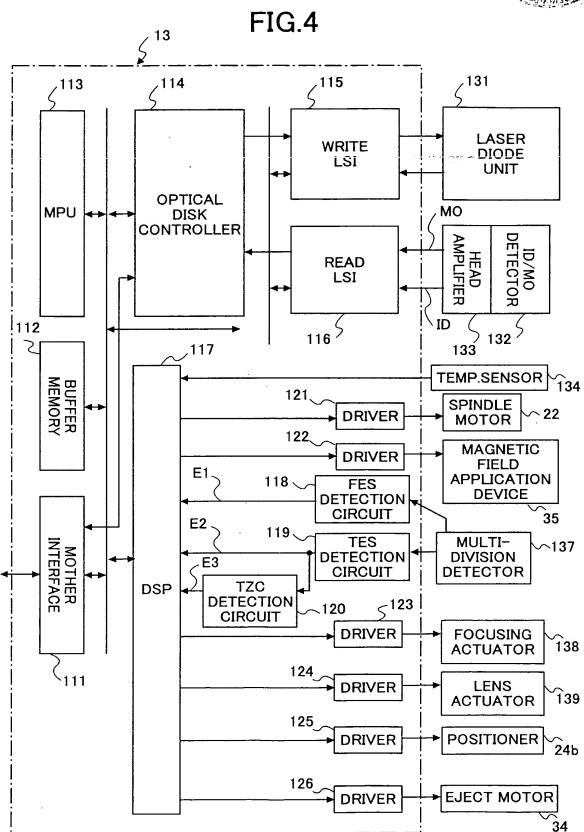




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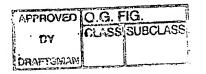
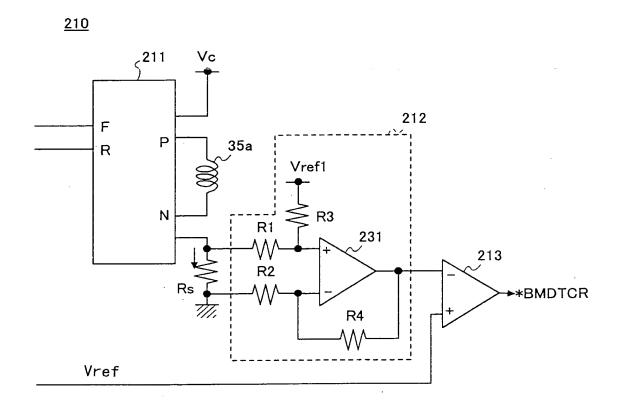
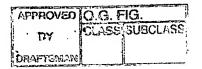


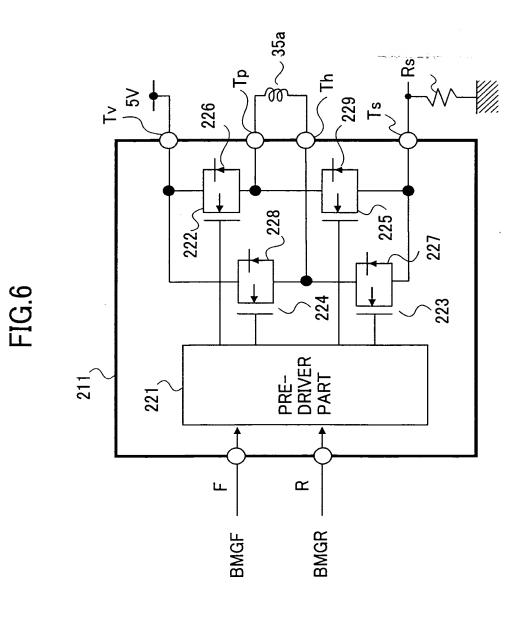


FIG. 5









APPROVED O.G. FIG. DRAFTEMAN

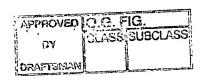
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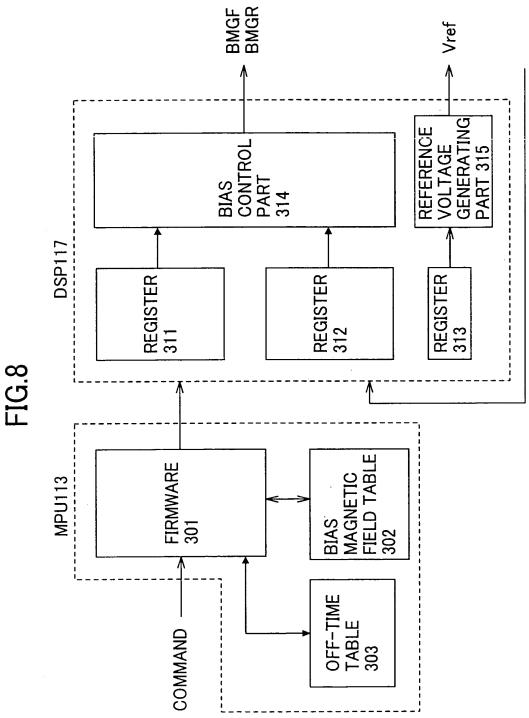
NOTE	POSITIVE CHANGE(P→N)	NEGATIVE CHANGE(N→P)	SHORT BREAK
N OUTPUT		エ	1
P OUTPUT N OUTPUT	I		
BMGR	7	工	
BMGF	エ		

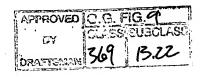


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FIG.9



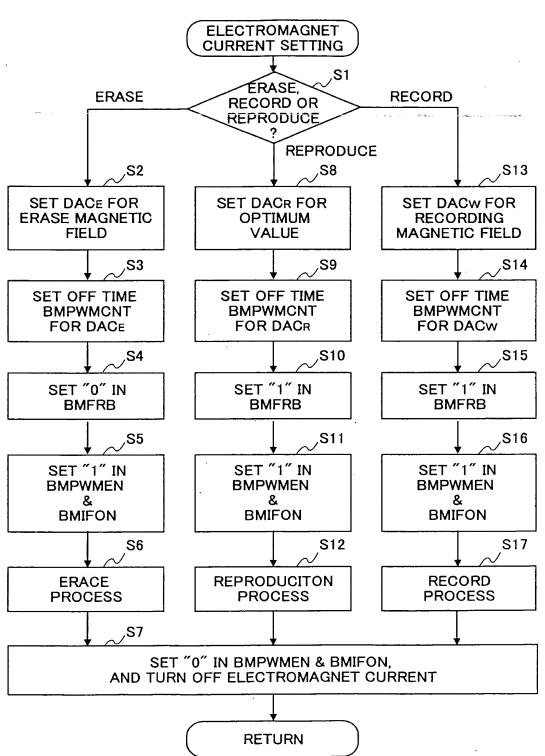
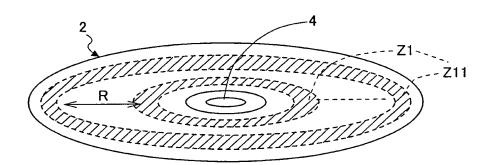




FIG.10A

	ELECTROMAGNET ELECTRIC CURRENT			
ZONE NUMBER	ERASE	RECORD	INITIAL VALUE FOR REPRODUCTION	CALIBRATION COEFFICIENT
Z1	IE[mA] (DACE)	Iw[mA] (DACw)	IR_Z1[mA](DACR_Z1)	α1
Z2			IR_Z2[mA](DACR_Z2)	α2
Z3			IR_Z3[mA](DACR_Z3)	α3
Z4			IR_Z4[mA](DACR_Z4)	α4
Z5			IR_Z5[mA](DACR_Z5)	α5
Z6			IR_Z6[mA](DACR_Z6)	α6
Z 7			IR_Z7[mA](DACR_Z7)	α7
Z8			IR_Z8[mA](DACR_Z8)	α8
Z9			IR_Z9[mA](DACR_Z9)	α9
Z10			IR_Z10[mA](DACR_Z10)	α10
Z11			IR_Z11[mA](DACR_Z11)	α11

FIG.10B



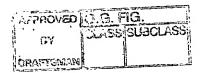
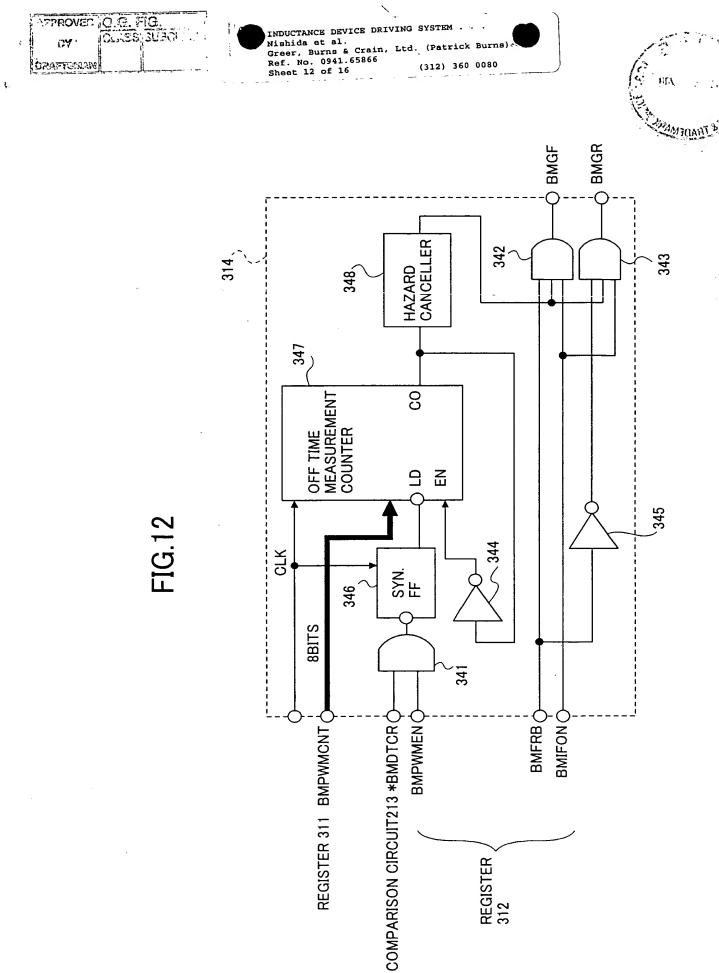
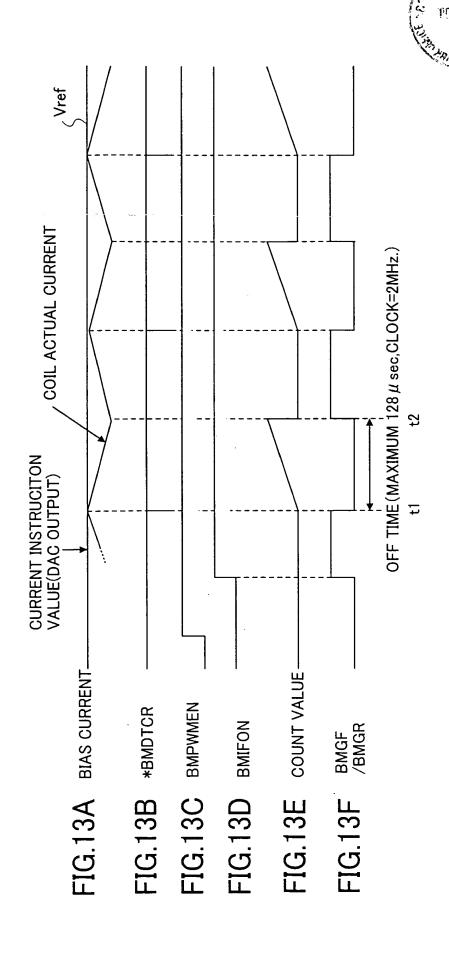




FIG. 11

BLAS_DAC	BMPWMCNT	
0x00~0x0f	0×18	
0x10~0x1f	0x10	
0x20~0x3f	0×08	
0x40~0x7f	0×04	
0x80~0xff	0x01	

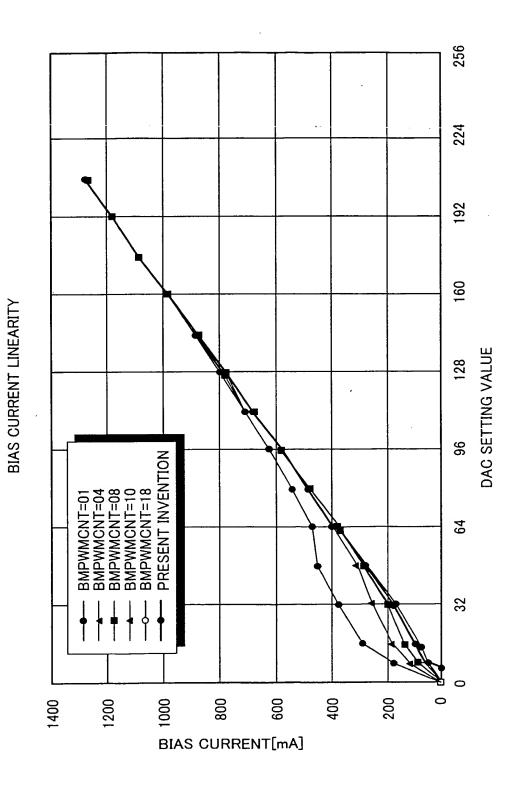




ORATTEMAN C. F.G.



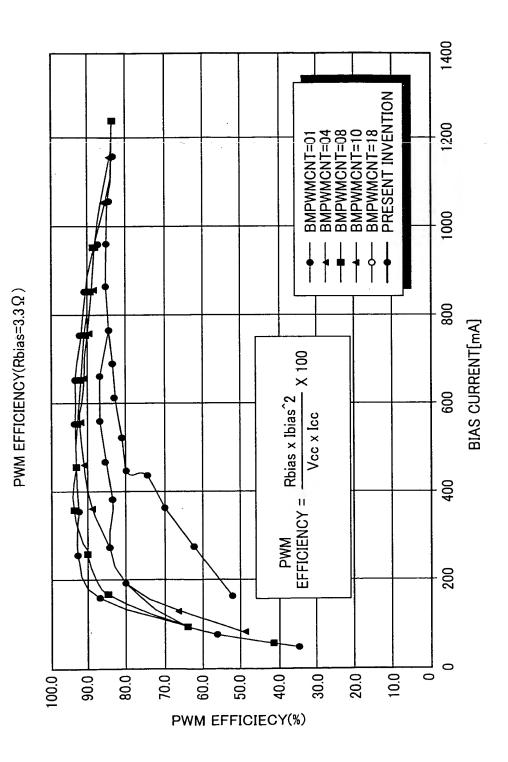
FIG. 14

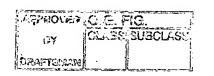


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FIG.15

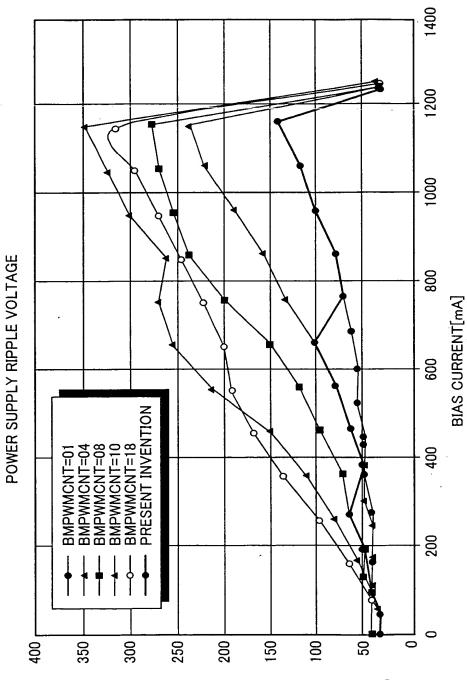




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POWER SUPPLY RIPPLE VOLTAGE[mV]